

## **ABSTRACT**

*The rapid development of technology causes the need for the internet to also increase. PT Telkom Access, one of the subsidiaries of the BUMN Telkom Indonesia, has a large enough role to provide and maintain internet availability for people throughout the region. With the high demand for internet, an efficient management and maintenance is needed. Therefore, the PKL/LP was carried out at PT Telkom Access Purwokerto in the Maintenance division, as one of the parties that plays a role in maintaining the availability of the internet network.*

*PKL/KP is an activity that requires a person to go directly to solving problems that arise in real life by implementing the theory learned during the lectures. PKL/KP activities are useful for providing students with experience before entering the future. The preparation of the PKL/KP Report apart from being a form of accountability can also be used as an evaluation material.*

*During the PKL/KP process, the task given is to repair fiber optic cables and maintain ODC devices. The ODC device is one of the important devices in the FTTH network that is used by Telkom to distribute the internet network. The installed network services use GPON technology that supports triple play, namely voice, video, and data services.*

*PKL/KP activities do not always run smoothly, sometimes obstacles arise either from oneself or from other factors. The theory that has been obtained during lectures is not immediately applied, because in its implementation there are many factors that require creative solutions to solve the problems.*

**Keywords:** *maintenance, FTTH, fiber optic, GPON, ODC*